



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno Pigott
Commissioner

April 2, 2019

VIA CERTIFIED MAIL

7017 3040 0000 9292 2837

Mr. Jim Hellmann, Assistant Director City Engineer
City of Noblesville
16 S. 10th Street, Suite 155
Noblesville, Indiana 46060

Dear Mr. Hellmann:

Re: 327 IAC 3 Construction
Permit Application
Sanitary Sewer
146th Street Sewer Extension
Permit Approval No. 23048
Noblesville, Indiana
Hamilton County

The application, plans and specifications, and supporting documents for the above-referenced project have been reviewed and processed in accordance with rules adopted under 327 IAC 3. Enclosed is the Construction Permit (Approval No. 23048), which applies to the construction of the above-referenced proposed sanitary sewer system to be located along 146th Street approximately 1,500 feet west of the intersection with Marilyn Road near the City of Noblesville.

Please review the enclosed permit carefully and become familiar with its terms and conditions. In addition, it is imperative that the applicant, consulting architect/engineer (A/E), inspector, and contractor are aware of these terms, conditions, and reporting and testing requirements.

It should be noted that any person affected or aggrieved by the agency's decision in authorizing the construction of the above-referenced facility may, within fifteen (15) days from date of mailing, appeal this permit by filing a request with the Office of Environmental Adjudication for an adjudicatory hearing in accordance with IC 4-21.5-3-7 and IC 13-15-6. The procedure for appeal is outlined in more detail in Part III of the attached construction permit.



A State that Works

Plans and specifications were prepared by Wessler Engineering, certified by Mr. Kellen R. Hurst, P.E., and submitted for review on December 28, 2018, with additional information submitted on March 21, and March 28, 2019.

Any questions concerning this permit may be addressed to Mr. Mike Miles, P.E., of our staff, at 317/232-6548.

Sincerely,

A handwritten signature in black ink, appearing to read "Dale T. Schnaith". The signature is fluid and cursive, with the first name "Dale" being more prominent.

Dale T. Schnaith, Chief
Facility Construction and
Engineering Support Section
Office of Water Quality

Project No. M-23624

Enclosures

cc: Hamilton County Health Department
Wessler Engineering

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
AUTHORIZATION FOR CONSTRUCTION OF
SANITARY SEWER SYSTEM
UNDER 327 IAC 3

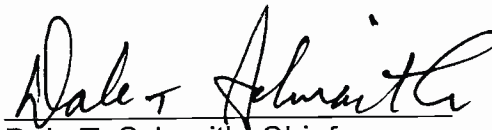
DECISION OF APPROVAL

City of Noblesville, in accordance with the provisions of IC 13-15 and 327 IAC 3 is hereby issued a permit to construct the sanitary sewer system to be located along 146th Street approximately 1,500 feet west of the intersection with Marilyn Road near the City of Noblesville. The permittee is required to comply with requirements set forth in Parts I, II and III hereof. The permit is effective pursuant to IC 4-21.5-3-4(d). If a petition for review and a petition for stay of effectiveness are filed pursuant to IC 13-15-6, an Environmental Law Judge may be appointed for an adjudicatory hearing. The force and effect of any contested permit provision may be stayed at that time.

NOTICE OF EXPIRATION DATE

Authorization to initiate construction of this sanitary sewer system shall expire at midnight one year from the date of issuance of this construction permit. In order to receive authorization to initiate construction beyond this date, the permittee shall submit such information and forms as required by the Indiana Department of Environmental Management. It is requested that this information be submitted sixty (60) days prior to the expiration date to initiate construction. This permit shall be valid for a period of five (5) years from the date below for full construction completion.

Signed this 2nd day of April, 2019, for the Indiana Department of Environmental Management.



Dale T. Schnaith, Chief
Facility Construction and
Engineering Support Section
Office of Water Quality

SANITARY SEWER SYSTEM DESCRIPTION

The proposed project shall consist of the construction of approximately 1,348 feet of 15-inch diameter PVC (ASTM D3034 SDR-26) and 234 feet of 12-inch diameter PVC SDR-26 sanitary sewer in the referenced project location. The proposed sanitary sewer will provide service for future industrial and commercial businesses on 395 undeveloped acres. The average design flow of 395,000 GPD is based on a Masterplan.

The new 12-inch diameter PVC sanitary sewer will be installed by bore and jack across 146th Street and connected to new 15-inch diameter PVC sanitary sewer on the north side of 146th Street. The new 15-inch diameter PVC sanitary sewer will be connected to a new manhole on an existing 21-inch diameter sanitary sewer located near the intersection of 146th Street and White Tail Run.

Inspection during construction of the new sanitary sewer and maintenance after completion of construction will be provided by the City of Noblesville. Wastewater treatment will be provided by the City of Noblesville Wastewater Treatment Plant.

CONDITIONS AND LIMITATIONS TO THE AUTHORIZATION FOR CONSTRUCTION OF SANITARY SEWERS

During the period beginning on the effective date of this permit and extending until the expiration date, the permittee is authorized to construct the above described sanitary sewer system. Such construction shall conform to all provisions of State Rule 327 IAC 3 and the following specific provisions:

PART I

SPECIFIC CONDITIONS AND LIMITATIONS TO THE CONSTRUCTION PERMIT

Unless specific authorization is otherwise provided under the permit, the permittee shall comply with the following conditions:

1. All local permits shall be obtained before construction is begun on this project.
2. If pollution or nuisance conditions are created, immediate corrective action will be taken by the permittee.

3. The separation of sanitary sewers from water mains and drinking water wells must comply with 327 IAC 3-6-9.
4. All gravity sewer pipe must be leak tested using either a hydrostatic test or air test in accordance with 327 IAC 3-6-19(d). If using a hydrostatic test, the rate of exfiltration or infiltration shall not exceed 200 gallons per inch of pipe diameter per linear mile per day. Air test shall be as prescribed.
5. The results of the gravity sewer leakage test and/or force main leakage test on the completed sewer shall be submitted to this office within three months of completion of construction.
6. Deflection tests must be performed on all flexible* pipe after the final backfill has been in place at least 30 days. No pipe shall exceed a vertical deflection of 5%. Deflection test results shall be submitted with the infiltration/exfiltration test results. (*The following are considered nonflexible pipes: vitrified clay pipe, concrete pipe, ductile iron pipe, cast iron pipe, asbestos cement pipe.)
7. Manholes shall be air tested in accordance with ASTM C1244-93, Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test. The manhole test results shall be submitted with the gravity sewer leakage test results.

Failure to submit test results within the allotted time period or failure to meet guidelines as set forth in the above conditions could be subject to enforcement proceedings as provided by 327 IAC 3-5-3.

PART II

GENERAL CONDITIONS

1. No significant or material changes in the scope of the plans or construction of this project shall be made unless the following provisions are met:
 - a. Request for permit modification is made 60 days in advance of the proposed significant or material changes in the scope of the plans or construction;
 - b. Submit a detailed statement of such proposed changes;
 - c. Submit revised plans and specifications including a revised design summary; and
 - d. Obtain a revised construction permit from this agency.
2. This permit may be modified, suspended, or revoked for cause including, but not limited to the following:
 - a. Violation of any term or conditions of this permit:
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts.
3. Nothing herein shall be construed as guaranteeing that the proposed sanitary sewer system shall meet standards, limitations or requirements of this or any other agency of state or federal government, as this agency has no direct control over the actual construction and/or operation of the proposed project.

PART III

NOTICE OF RIGHT TO ADMINISTRATIVE REVIEW

Anyone wishing to challenge this construction permit must do so by filing a Petition for Administrative Review with the Office of Environmental Adjudication (OEA), and serving a copy of the petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1 and 315 IAC 1-3-2. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if notice was received by U.S. Mail), and a copy must be served upon IDEM. Addresses are:

Director
Office of Environmental Adjudication
Indiana Government Center North
Room 103
100 North Senate Avenue
Indianapolis, Indiana 46204

Commissioner
Indiana Department of Environmental
Management
Indiana Government Center North
Room 1301
100 North Senate Avenue
Indianapolis, Indiana 46204

The petition must contain the following information:

1. The name, address and telephone number of each petitioner.
2. A description of each petitioner's interest in the permit.
3. A statement of facts demonstrating that each petitioner is:
 - a. a person to whom the order is directed;
 - b. aggrieved or adversely affected by the permit; or
 - c. entitled to administrative review under any law.
4. The reasons for the request for administrative review.
5. The particular legal issues proposed for review.
6. The alleged environmental concerns or technical deficiencies of the permit.
7. The permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
8. The identity of any persons represented by the petitioner.
9. The identity of the person against whom administrative review is sought.
10. A copy of the permit that is the basis of the petition.
11. A statement identifying petitioner's attorney or other representative, if any.

Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of the Petitioner's right to seek administrative review of the permit. Examples are:

1. Failure to file a Petition by the applicable deadline;
2. Failure to serve a copy of the Petition upon IDEM when it is filed; or
3. Failure to include the information required by law.

If Petitioner seeks to have a permit stayed during the administrative review, he or she may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 315 IAC 1-3-2 and 315 IAC 1-3-2.1.

Pursuant to IC 4-21.5-3-17, OEA will provide all parties with notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. Those who are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding must submit a written request to OEA at the address above.

More information on the review process is available at the website for the Office of Environmental Adjudication at <http://www.in.gov/oea>.

PROJECT NO.
M-23624

INTRA-OFFICE MEMO

FROM: 327 IAC Construction Permit Coordinator
Engineering Plan Review Section
Office of Water Quality

TO: MM

SUBJECT: Project: 146th Street Sewer Extension
Location: Noblesville, Hamilton County
Units: 395 acres of industrial lots
Design Flow: 395,000 GPD (*Light Industrial*)
Received On: 12/28/18
Connection To: 21-inch
Wastewater Treatment By: City of Noblesville, IN0020168, 10 MGD
Maintenance Provided By: City of Noblesville

Capacity Certification/Allocation---☒

New one needed if more than one
year old

Sanitary Sewer Design Summary---☒

3/28 → Stamped, Signed + Dated
3/21 → Type of units? or will be domestic type of wastewater?

Should match the capacity letter.

Signed Application -----☒

Technical Standard Alternative:
- Flow units + flow per unit
- Peak flow
Signed by applicant for SRF projects
(Applicant's Engineer can sign in most
cases)

Plans and Specifications -----☒

- Spec cover page

3/21
Each page must be signed or sealed
by an Indiana P.E. or L.S. (if no lift
station work is being done) Plan view,
Profile view, Details, Specifications
(ASTM, SDR, Bedding, Separation, etc.)

Potentially Affected Person List ---☒

Names and addresses on signed and
dated form, mailing list and mailing
labels (with 65-42FC code)

Certification Letter of P.E. or L.S.--☒

The supervising P.E. or L.S.



APPLICATION FOR SANITARY SEWER CONSTRUCTION PERMIT PER 327 IAC 3

STATE FORM 53159 (R3 / 9-15)

Indiana Department of Environmental Management

Office of Water Quality – Mail Code 65-42

Facilities Construction Section

100 North Senate Avenue, Room N1255

Indianapolis, IN 46204-2251

INSTRUCTIONS:

1. This form must be filled out completely.
2. Additional pages (attachments following this form) are part of this application form and must be filled out completely.
3. Submission of plans and specifications is part of the application.
4. Submit the application form, additional pages, plans and specifications to the above address.
5. If you have any questions regarding this application, call IDEM's Office of Water Quality at (317) 232-5579.

APPLICANT		APPLICANT'S ENGINEER OR LAND SURVEYOR	
Name Jim Hellmann	Name Kellen Hurst		
Name of organization City of Noblesville	Name of company Wessler Engineering		
Address (number and street, city, state, and ZIP code) 16 S. 10 th Street, Suite 155	Address (number and street, city, state, and ZIP code) 6219 South East Street		
Address (number and street, city, state, and ZIP code) Noblesville, IN 46060	Address (number and street, city, state, and ZIP code) Indianapolis, IN 46227		
Telephone number (317) 776-6330	Telephone number (317) 788-4551		
NAME AND LOCATION OF PROPOSED FACILITY		ATTACHMENT CHECKLIST	
Name 146 th Street Sewer Extension	A. Sanitary Sewer Design Summary Form: <input checked="" type="checkbox"/> Yes		
Location (Referenced to two existing streets) 146 th Street and 1,500-foot West of Marilyn Road	B. Capacity Certification/Allocation Letter: <input checked="" type="checkbox"/> Yes		
Location	C. Certification of Registered Engineer or Land Surveyor Letter: <input checked="" type="checkbox"/> Yes		
Location	D. Plans and Specifications: <input checked="" type="checkbox"/> Yes		
City Noblesville	E. Identification of Potentially Affected Persons (see note below): <input checked="" type="checkbox"/> Yes		
County Hamilton	F. Mailing Labels for Potentially Affected Persons: <input checked="" type="checkbox"/> Yes		
<div>RECEIVED DEC 28 2018 IDEM/OWQ</div>		<p>Note Regarding item (E) above: Fully identify all persons, by name and address, who may be potentially affected by the issuance of this permit, such as adjoining landowners, persons with a propriety interest, and/or persons who have expressed concern or interest in the proposed facility. Under IC 4-21.5-3-5, IDEM is required to notify potentially affected persons of its permit decision.</p>	
PERMIT APPLICATION FOR CONSTRUCTION, EXPANSION, OR MODIFICATION OF (Check all that apply)		FUNDING	
A. Municipal Collection Facility: <input checked="" type="checkbox"/> Yes	SRF Funding: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
B. Semipublic Collection Facility: <input type="checkbox"/> Yes			
C. New facility: <input type="checkbox"/> Yes			
D. Expansion or modification of existing facility: <input checked="" type="checkbox"/> Yes			
CERTIFICATION AND SIGNATURE			
Application is hereby made for a Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application and to the best of my knowledge and belief such information is true, complete and accurate.			
Printed name of person signing Jim Hellmann		Title Assistant Director City Engineer	
Signature of applicant 		Date signed (month, day, year) 12/14/2018	
Please refer to IC 13-30-10 for penalties of submission of false information			

WORLEY, DON

From: Kellen Hurst <KellenH@wesslerengineering.com>
Sent: Thursday, March 28, 2019 9:08 AM
To: WORLEY, DON; MILES, MIKE
Subject: RE: 'EXTERNAL'RE: 'EXTERNAL'146th Street Sewer Extension Project (M-23624)
Attachments: IDEM_Construction_Permit_Application_DesignSummary.pdf

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

I'm so sorry about that. A stamped, signed & dated Sanitary Sewer Design Summary is attached. Please let me know if you need anything else. Thank you and my apologies again on the confusion.

Kellen

Kellen Hurst, P.E., LEED AP | Project Manager
Wessler Engineering, Inc.
1130 AAA Way, Carmel, Indiana 46032
P: 317-788-4551
C: 317-605-8784

From: WORLEY, DON <DWORLEY@idem.IN.gov>
Sent: Thursday, March 21, 2019 4:58 PM
To: Kellen Hurst <KellenH@wesslerengineering.com>; MILES, MIKE <MMILES@idem.IN.gov>
Subject: 'EXTERNAL'RE: 'EXTERNAL'146th Street Sewer Extension Project (M-23624)

Hello Kellen,

I just noticed that the "Attachment A" was not of the "Sanitary Sewer Design Summary" but of the "Design Flow and Peaking Factor Description" that you had (stamped and signed and did not date). Could you send a stamped, signed and dated "Sanitary Sewer Design Summary" instead.

Thanks,

Don Worley,
Senior Environmental Manager
IDEM, OWQ
Facilities Construction and
Engineering Support Section
Mail Code 65-42
100 North Senate Avenue, Room N1255
Indianapolis, IN 46204-2251
317-232-5579
<http://in.gov/idem/cleanwater/2430.htm>

Help us improve!
IDEM values your feedback



From: Kellen Hurst [<mailto:KellenH@wesslerengineering.com>]
Sent: Thursday, March 21, 2019 12:22 PM
To: MILES, MIKE <MMILES@idem.IN.gov>
Cc: WORLEY, DON <DWORLEY@idem.IN.gov>
Subject: RE: 'EXTERNAL'146th Street Sewer Extension Project (M-23624)

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Don & Mike,

Good afternoon. Please find the following responses to the Administrative Evaluation comments.

1. A stamped, signed & dated design summary results is attached to this email [Attachment A].
2. A stamped, signed & dated cover/title page is attached to this email [00102 Title Sheet].
3. The types of flows are unknown since the potential developments that will feed the sewer have not yet been determined by the City of Noblesville. The flows may include industrial, commercial, or domestic wastewater. As such, Attachment A describing the design flow and peaking factor for the sewer utilized the maximum flowrate assumption from the City of Noblesville's Masterplan Report to determine the capacity of the sewer.
4. In accordance with 327 IAC 3-6-32, Technical Standard Alternative Demonstration, the City of Noblesville is hereby requesting approval of an alternative to the "Design flow rate requirements for collection systems and water pollution treatment/control facilities". Refer to the attached description of the flow and peaking factor assumptions based upon the unknown type(s) of development that may occur within the basins feeding the proposed sewer [Attachment A].

I believe this should satisfy the review comments in the deficiency letter. If not, please let me know and I'll provide additional information. Thank you both for your time and review!

Kellen

Kellen Hurst, P.E., LEED AP | Project Manager
[Wessler Engineering, Inc.](#)
1130 AAA Way, Carmel, Indiana 46032
P: 317-788-4551
C: 317-605-8784

From: MILES, MIKE <MMILES@idem.IN.gov>
Sent: Thursday, March 14, 2019 10:23 AM
To: Kellen Hurst <KellenH@wesslerengineering.com>
Cc: WORLEY, DON <DWORLEY@idem.IN.gov>
Subject: 'EXTERNAL'146th Street Sewer Extension Project (M-23624)

Kellen,

I attached an electronic copy of a project deficiency notice dated January 31, 2019 for the proposed 146th Street Sewer Extension project (M-23624). Will there be a response to the deficiency notice by Monday, April 1, 2019. Please advise us.

Mike Miles, P.E.
Project Engineer
IDEM OWQ Facility Construction Section
317 / 232-6548

SANITARY SEWER DESIGN SUMMARY**Design Flow**

Number of units			
	1 bedroom apartments	200 gpd/unit	gpd
	2 bedroom apartments	300 gpd/unit	gpd
	Single family homes	310 gpd/unit	gpd
	Commercial lots		gpd
1	Industrial Flow (See Attachment A)		1,470,000 gpd
			gpd
		Total average flow	395,000 gpd
Peaking factor	See Attachment A	Peak flow	1,470,000 gpd

Sewer

ft.	8-inch _____ (sewer type)
ft.	10-inch _____
1,348 ft.	15-inch PVC SDR-26 (ASTM D-3034), Class 1 Bedding
234 ft.	12-inch PVC SDR-26 (ASTM D-3034), Class 1 Bedding
ft.	
1,582 ft.	Total length of sewer

The new sewer will be connected to an existing 21-inch diameter sanitary sewer at 146th St. & White Tail Run _____ (referenced to two existing streets)



3/28/19

Kellen Hurst
(P.E. or L.S. stamp, signature and date)

Lift Station

Type	N/A (wet/dry, submersible, wet-well mounted, etc.)			
Number of pumps				
Capacity of pumps	gpm	TDH	RPM	HP
Back-up power source or pumping	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Average wet-well detention time				
Audio/visual alarm with self-contained power supply or telemetry system				
Force Main	feet of	-inch	(type)	
Force main discharge elevation				

Wastewater Treatment

Wastewater treatment will be provided by City of Noblesville Wastewater Treatment Plant

Inspection / Maintenance

Inspection during construction will be provided by	City of Noblesville
Maintenance after completion will be provided by	City of Noblesville

rec'd
3/28/19

SANITARY SEWER DESIGN SUMMARY**Design Flow**

Number of units			
	1 bedroom apartments	200 gpd/unit	gpd
	2 bedroom apartments	300 gpd/unit	gpd
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1	Industrial Flow (See Attachment A)		1,470,000 gpd
			gpd
		Total average flow	395,000 gpd
Peaking factor	See Attachment A	Peak flow	1,470,000 gpd

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(P.E. or L.S. stamp, signature and date)

Lift Station

Type	N/A (wet/dry, submersible, wet-well mounted, etc.)				
Number of pumps					
Capacity of pumps	gpm	TDH	RPM	HP	
Back-up power source or pumping	<input type="checkbox"/> Yes <input type="checkbox"/> No				
Average wet-well detention time					
Audio/visual alarm with self-contained power supply or telemetry system					
Force Main	feet of		-inch	(type)	
Force main discharge elevation					

Wastewater Treatment

Wastewater treatment will be provided by	City of Noblesville Wastewater Treatment Plant
--	--

Inspection / Maintenance

Inspection during construction will be provided by	City of Noblesville
Maintenance after completion will be provided by	City of Noblesville

reed
12/28/18

15" Sewer at 0.15% Slope
1.6 MGD, Max

reed
3/28/19

MM
M-23624
WORLEY, DON

From: Kellen Hurst <KellenH@wesslerengineering.com>
Sent: Thursday, March 21, 2019 12:22 PM
To: MILES, MIKE
Cc: WORLEY, DON
Subject: RE: 'EXTERNAL'146th Street Sewer Extension Project (M-23624)
Attachments: 00102 Title Sheet.pdf; AttachmentA.pdf

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1. A stamped, signed & dated design summary results is attached to this email [Attachment A].
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3. The types of flows are unknown since the potential developments that will feed the sewer have not yet been determined by the City of Noblesville. The flows may include industrial, commercial, or domestic wastewater. As such, Attachment A describing the design flow and peaking factor for the sewer utilized the maximum flowrate assumption from the City of Noblesville's Masterplan Report to determine the capacity of the sewer.
4. In accordance with 327 IAC 3-6-32, Technical Standard Alternative Demonstration, the City of Noblesville is hereby requesting approval of an alternative to the "Design flow rate requirements for collection systems and water pollution treatment/control facilities". Refer to the attached description of the flow and peaking factor assumptions based upon the unknown type(s) of development that may occur within the basins feeding the proposed sewer [Attachment A].

I believe this should satisfy the review comments in the deficiency letter. If not, please let me know and I'll provide additional information. Thank you both for your time and review!

Kellen

Kellen Hurst, P.E., LEED AP | Project Manager
Wessler Engineering, Inc.
1130 AAA Way, Carmel, Indiana 46032
P: 317-788-4551
C: 317-605-8784

From: MILES, MIKE <MMILES@idem.IN.gov>
Sent: Thursday, March 14, 2019 10:23 AM
To: Kellen Hurst <KellenH@wesslerengineering.com>
Cc: WORLEY, DON <DWORLEY@idem.IN.gov>
Subject: 'EXTERNAL'146th Street Sewer Extension Project (M-23624)

Kellen,

I attached an electronic copy of a project deficiency notice dated January 31, 2019 for the proposed 146th Street Sewer Extension project (M-23624). Will there be a response to the deficiency notice by Monday, April 1, 2019. Please advise us.

Mike Miles, P.E.
Project Engineer
IDEM OWQ Facility Construction Section

ATTACHMENT A

Design Flow and Peaking Factor Descriptions



Kellen Hurst

1.0 Design Flow Rate

The proposed 146th Street and Summer Road Sewer Extension will receive flows from the areas north and south of 146th Street, between Marilyn Road on the east and Promise Road on the west. This is currently an undeveloped area and the sewer extension is being designed and constructed to facilitate future development. The City of Noblesville's Masterplan Report subdivided the land into 4 different basins. Given that the type of development of the basins is unknown, the maximum assumed flowrate from the Masterplan was utilized (1,000 gpd/acre associated with Light Commercial). The average flow for each basin is shown in Table 1.1.

Table 1.1: Design Flows – 146th Street Sewer Extension

Basin	Area	Flow (gpd/acre)	Average Flow (gallons per day)
A	43	1,000	43,000
B	84	1,000	84,000
C	221	1,000	221,000
D	47	1,000	47,000
Total Area	395		395,000

2.0 Peaking Factors

While the land use was kept consistent for each basin, to provide a more conservative estimate of the peak flow from the area, peaking factors were calculated for each basin instead of as a single entity. Using the Ten States Standards assumption of 100 gallons/person, the peaking factors were determined using the Ten State Standard and IDEM Construction Permit recommendation for determining a peaking factor ($PF = \frac{18 + \sqrt{P}}{4 + \sqrt{P}}$). Using this method resulted in an approximately 150,000 gallon increase in the peak flow compared to evaluating the entire area as a single entity. The proposed sewer was designed with the peak flow shown in Table 2.1

Table 2.1: Peaking Factors – 146th Street Sewer Extension

	Average Flow (gallons per day)	Estimated Population	Peaking Factor	Peak Flow (gpd)
A	43,000	430	4.01	172,303
B	84,000	840	3.85	323,194
C	221,000	2,210	3.55	784,919
D	47,000	470	3.99	187,431
Total	395,000	3,950		1,467,846

rec'd
12/28/18


CAPACITY CERTIFICATION/ALLOCATION LETTER*This form must be filled-out in its entirety.*

Name of applicant	City of Noblesville
Name of applicant representative	Jim Hellmann
Name of project	146 th Street and Summer Road Sewer Extension

CERTIFICATION

I, Jim Hellmann, representing the City of Noblesville Engineering, in my capacity
(Name of individual) (Name of municipality or utility)
 as Assistant Director City Engineer have the authority to act on behalf of the City of Noblesville
(Title) (Name of municipality or utility)

certify that I have reviewed and understand the requirements of 327 IAC 3 and that the sanitary collection system proposed, with the submission of this application, plans and specifications, meets all requirements of 327 IAC 3. I certify that the daily flow generated in the area that will be collected by the project system will not cause overflowing or bypassing in the collection system other than NPDES authorized discharge points and that there is sufficient capacity in the receiving water pollution treatment/control facility to treat the additional daily flow and remain in compliance with applicable NPDES permit effluent limitations. I certify that the proposed average flow will not result in hydraulic or organic overload. I certify that the proposed collection system does not include new combined sewers or a combined sewer extension to existing combined sewers. I certify that the ability for this collection system to comply with 327 IAC 3 is not contingent on water pollution/control facility construction that has not been completed and put into operation. I certify that the project meets all local rules or laws, regulations and ordinances. The information submitted is true, accurate, and complete, to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Gallons per day (Total Average Flow for Project)	395,000
Wastewater treatment plant (Name of WWTP)	City of Noblesville WWTP
Sewers (Owners of sewers)	City of Noblesville
Signature 	Date signed (month, day, year) 12 / 14 / 2018

(Please refer to IC 13-30-10 for penalties of submission of false information.)

recd
12/28/18

CERTIFICATION OF REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR LETTER*This form must be filled-out in its entirety.*

Name of applicant City of Noblesville
Name of applicant representative Jim Hellmann
Name of project 146 th Street and Summer Road Sewer Extension

CERTIFICATION

I, Kellen Hurst, representing the project applicant, in my capacity as a registered
(Name of individual)
 professional Engineer, 11200401 certify the
(Engineer or Land Surveyor) (Indiana registration number)

following under penalty of law: The design of this project has been performed under my direction or supervision to assure conformance with 327 IAC 3 and the plans and specifications require the construction of said project to be performed in conformance with 327 IAC 3-6. The peak daily flow rates, in accordance with 327 IAC 3-6-11 generated from within the specific area that will be collected by the proposed collection system that is the subject of the application, plans, and specifications (when functioning as designed and properly installed), will not cause overflowing or bypassing in the same specific area serviced by the proposed collection system other than from NPDES authorized discharge points. The proposed collection system does not include new combined sewers (serving new areas) or a combined sewer extension to existing combined sewers. The sewer at the point of connection is physically in existence and operational. Based upon information provided by the owner of the Wastewater System, the ability for this collection system to comply with 327 IAC 3 is not contingent on downstream water pollution/control facility construction that has not been completed and put into operation. The design of the proposed project meets applicable local rules or laws, regulations and ordinances. The information submitted is true, accurate, and complete, to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Gallons per day (Total Average Flow for Project)	395,000
Wastewater treatment plant (Name of WWTP)	City of Noblesville WWTP
Sewers (Owners of sewers)	City of Noblesville
Signature	Date signed (month, day, year) 12/14/18

(Please refer to **16-13-30-70** penalties of submission of false information.)

rec'd
12/28/18



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Bruno Pigott
Commissioner

January 31, 2019

Mr. Jim Hellmann, Assistant Director City Engineer
City of Noblesville
16 S. 10th Street, Suite 155
Noblesville, Indiana 46060

Dear Mr. Hellman:

Re: Deficiency Notice for
Construction Permit Application
Sanitary Sewer
146th Street Sewer Extension
Noblesville, Indiana
Hamilton County
Project No. M-23624

This will acknowledge the receipt of plans and specifications on December 28, 2018, in connection with your application for a Construction Permit pursuant to 327 IAC 3 for the above-referenced project.

Your application has been found to be deficient. The following administrative and technical items are required to complete your application for a Construction Permit. Please be advised that if all deficiency items are not corrected or resolved within sixty (60) days of the date of this letter, your application can be denied on the basis of incompleteness. The responses to the deficiency items should be mailed to the following address:

Indiana Department of Environmental Management
Office of Water Quality
Facility Construction and Engineering Support Section
100 North Senate Avenue, Rm N1255
Indianapolis, Indiana 46204-2251

I. ADMINISTRATIVE EVALUATION

Upon review of your application, the following administrative deficiencies were noted:

1. The "Sanitary Sewer Design Summary" needs to be sealed (stamped), signed and dated by a registered professional engineer.



2. The separately submitted set of specifications needs a cover page. This cover page will need to include the project name and be sealed (stamped), signed and dated by a registered professional engineer or land surveyor.
3. What type of unit(s) per 327 IAC 3-6-11 "Design flow rate requirements for collection systems and water pollution treatment/control facilities" will the "Industrial flow" consist of? Will the proposed flow from the "Industrial flow" consist of domestic wastewater?
4. The units, the flow per units and the "Peaking factor" used on the "Sanitary Sewer Design Summary", the "1.0 Design Flow Rate and the 2.0 Peaking Factors calculation are not included in 327 IAC 3-6-11 "Design flow rate requirements for collection systems and water pollution treatment/control facilities". A request for a "technical standard alternative" per 327 IAC 3-6-27 for the method of calculating the flows and the "Peaking factor" needs to be submitted. The method how these flows were determined was submitted without the request for a "technical standard alternative". The methods used to calculate the flow and the "Peaking factor" are acceptable and only the request for the "technical standard alternative" needs to be submitted.

If you have any questions concerning the administrative accuracy of this application, please contact Mr. Don Worley at 317/232-5579, Fax 317/232-8637 or by email at dworley@idem.in.gov.

II. TECHNICAL REVIEW

This Office has no technical comments.

If you have any questions regarding the technical matters of your application, please contact me at 317/232-6548 or by email at mmiles@idem.in.gov.

Sincerely,



Mike Miles, P.E.
Project Engineer
Facility Construction and
Engineering Support Section
Office of Water Quality

cc: Mr. Kellen Hurst, P.E., Wessler Engineering

65-42FC
Ray Thompson
197 W Washington Street
Noblesville, IN 46060

65-42FC
Noblesville Board of Public Works &
Safety

65-42FC
Mayor John Ditslear
16 S 10th Street
Noblesville, IN 46060

65-42FC
Marilyn Road LLC
9818 E 266th Street
Arcadia, IN 46030

65-42FC
Best Land LLC
21097 Durbin Road
Noblesville, IN 46060

65-42FC
Roman Catholic Diocese of Lafayette in
Indiana
P.O. Box 260
Lafayette, IN 47902

65-42FC
Noblesville Airport
14782 Promise Road
Noblesville, IN 46060

65-42FC
Spartz Farms LLC
102 Natasha Drive
Noblesville, IN 46060

65-42FC
Drummond Realty LLC
P.O. Box 1058
Noblesville, IN 46061

65-42FC
George E. Justice
14633 White Tail Run
Noblesville, IN 46060

65-42FC
Lisa M. Sims
14625 White Tail Run
Noblesville, IN 46060

65-42FC
Paul J. Brewer
14617 White Tail Run
Noblesville, IN 46060

65-42FC
Jianzhong Zhou & Jun Chen
4857 Snowberry Bay Court
Noblesville, IN 46060

65-42FC
Leo J. Nelson
7846 Fall Creek Drive
Indianapolis, IN 46236

65-42FC
Hye Ran Lee
14604 White Tail Run
Noblesville, IN 46060

65-42FC
Peter K. Stephens
12065 Willowood Drive
Lake Ridge, VA 22192

65-42FC
CKK Holdings LLC
14638 Normandy Way
Fishers, IN 46040

65-42FC
Jennifer Scisney
14615 Roeriver Court
Noblesville, IN 46060

65-42FC
John L. Muir
14607 Roeriver Court
Noblesville, IN 46060

65-42FC
Kenton P. & Nichol C. Altman
14608 Roeriver Court
Noblesville, IN 46060

65-42FC
Jun Chen & Jianzhong Zhou
4857 Snowberry Bay Court
Noblesville, IN 46060

65-42FC
Becky A. Rowland
14624 Roeriver Court
Noblesville, IN 46060

rec'd
12/28/18